Oracle® Banking Accounts Cloud Service

Oracle Banking Accounts Integration Guide





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Preface

- Purpose
- Audience
- Documentation Accessibility
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Purpose

This guide describes the APIs that are configured in Oracle Banking Accounts Cloud Service through Oracle Banking Routing Hub Module.

Audience

This guide is primarily intended for the following user / user roles:

Table 1 Audience

Role	Function
Implementation and IT Staff	Implementation and maintenance of the software.

Documentation Accessibility

For information about Oracle's commitment to accessibility, visit the Oracle Accessibility Program website at http://www.oracle.com/pls/topic/lookup?ctx=acc&id=docacc.

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Oracle is fully committed to diversity and inclusion. Oracle respects and values having a diverse workforce that increases thought leadership and innovation. As part of our initiative to build a more inclusive culture that positively impacts our employees, customers, and partners, we are working to remove insensitive terms from our products and documentation. We are also mindful of the necessity to maintain compatibility with our customers' existing technologies and the need to ensure continuity of service as Oracle's offerings and industry standards evolve. Because of these technical constraints, our effort to remove insensitive terms is ongoing and will take time and external cooperation.



Conventions

The following text conventions are used in this document:

Convention	Meaning	
boldface Boldface type indicates graphical user interface elements associated vaction, or terms defined in text or the glossary.		
italic	Italic type indicates book titles, emphasis, or placeholder variables for which you supply particular values.	
monospace	Monospace type indicates commands within a paragraph, URLs, code in examples, text that appears on the screen, or text that you enter.	

Related Resources

The related documents are as follows:

Routing Hub Configuration User Guide

Acronyms and Abbreviations

The following acronyms and abbreviations are used in this guide:

Table 2 Acronyms

Abbreviation	Description
API	Application Programming Interface
EOD	End of Day
ELCM	Enterprise Limits and Collateral Management
OBACS	Oracle Banking Accounts Cloud Service
OBCDDA	Oracle Banking Corporate Demand Deposit Account

Screenshot Disclaimer

Personal information used in the interface or documents is dummy and does not exist in the real world. It is only for reference purposes.



1

Oracle Banking Routing Hub

This topic provides the information about Oracle Banking Routing Hub.

Oracle Banking Routing Hub enables seamless and standardized integrations between FSGBU Banking Products using configurations provided as part of the product infrastructure as displayed below.

Figure 1-1 Oracle Banking Routing Hub



For more details on Oracle Banking Routing Hub configuration, refer to the *Oracle Banking Routing Hub Configuration Guide*.

2

ELCM Implementation

This topic provides the information about APIs configured using Oracle Banking Routing Hub.

createBlock

Host: cnobfc-cluster-1-ms1.fsgbu-obcbcs-nonprod--obfc-devtestbank1:7501

Version: 14.6.1.0.0

utilize

Host: cnobfc-cluster-1-ms1.fsgbu-obcbcs-nonprod--obfc-devtestbank1:7501

Version: 14.6.1.0.0

QueryUtilization

Host: cnobfc-cluster-1-ms1.fsgbu-obcbcs-nonprod--obfc-devtestbank1:7501

Version: 14.6.1.0.0

getValidLines

Host: cnobfc-cluster-1-ms1.fsgbu-obcbcs-nonprod--obfc-devtestbank1:7501

Version: 14.6.1.0.0

Service Providers

This topic provides the information about the multiple service providers that are added to configure ELCM.

Service Consumers

This topic provides the information about the multiple service consumers that are added to configure ELCM in Oracle Banking Routing Hub.

2.1 Service Providers

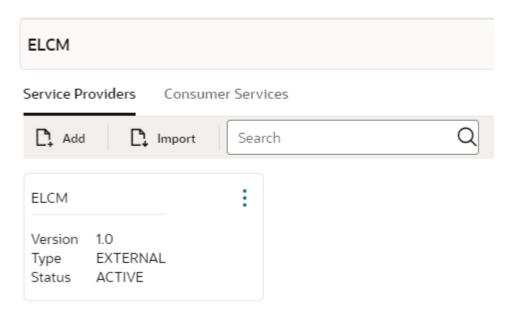
This topic provides the information about the multiple service providers that are added to configure ELCM.

Service Providers use Rest based API's for request/response in JSON format.

The **ELCM Service Providers** are as displayed below.

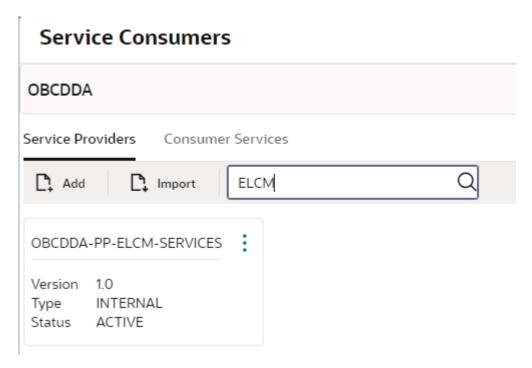
Figure 2-1 Service Providers

Service Consumers



The **ELCM Service Providers** for **OBCDDA** are as displayed below.

Figure 2-2 ELCM Service Providers





2.2 Service Consumers

This topic provides the information about the multiple service consumers that are added to configure ELCM in Oracle Banking Routing Hub.

The following four endpoints are required for consumer services to be configured in Oracle Banking Routing Hub:

- createBlock
- utilize
- QueryUtilization
- getValidLines

The Service Consumers in Oracle Banking Accounts Cloud Service are as displayed below.

Figure 2-3 Service Consumers

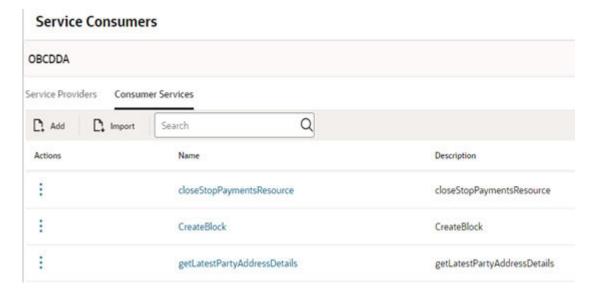
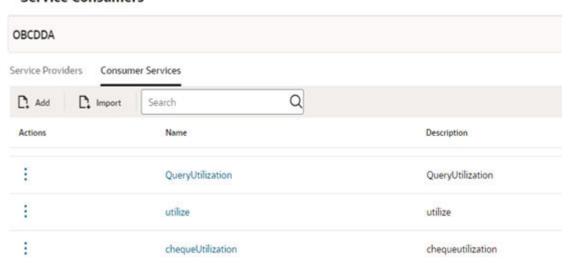




Figure 2-4 Service Consumers 2

Service Consumers



The **ELCM Service Consumers** are as displayed below.

Figure 2-5 ELCM Service Consumers



Create Block

This topic describes about the sample request / response for the consumer service **createBlock**.

Utilize

This topic describes about the sample request / response for the consumer service **Utilize**.

Query Utilization

This topic describes about the sample request / response for the consumer service **Query Utilization**.

Get Valid Lines

This topic describes about the sample request / response for the consumer service **GetValidLines**.



2.2.1 Create Block

This topic describes about the sample request / response for the consumer service **createBlock**.

Request/Response

SERVICE-CONSUMER = "OBCDDA"

SERVICE-CONSUMER-SERVICE=" CreateBlock"

Request

```
{
            "blkRefNo": "10556970083326443531 EA C",
            "blockLogs":
            [
                     "action": "NEW",
                     "amtTag": "PRINCIPAL",
                     "blkAmt": 1,
                    "blkCcy": "USD",
                     "customerNo": "0029702",
                     "defaultLiab": "D",
                    "eventCode": "INIT",
                     "eventSlNo": "1",
                     "limitType": "F",
                     "lineCd": "LNFORD",
                    "lineSerial": "1",
                     "source": "CDDA"
            ]
```

Response

```
{
        "Block-Master-Full": {
            "authStat": "A",
            "action": "NEW",
            "authDtStamp": "2021-03-17T04:03:03",
            "authId": "OBELCMUSER1",
            "inputUserId": "OBELCMUSER1",
            "inputDtStamp": "2021-03-17T04:03:03",
            "versionNo": 1,
            "blkBrn": "B01",
            "blkRefNo": "10556970083326443531 EA C",
            "keyId": "GETB BLOCKS~BLK REF NO",
            "blockLogs": [
                    "changeBlkAmt": 1,
                    "version": 0,
                    "action": "NEW",
                    "serialNo": 192,
```

```
"blockId": "B012107600000021",
"customerNo": "0029702",
"liabId": 41,
"processNo": 1,
"transDate": "2021-03-17T00:00:00",
"blkAmt": 1,
"blkCcy": "USD",
"blkBrn": "B01",
"blkPrd": "UTIL",
"uncoll": 0,
"tenorBasis": "N",
"tenor": 0,
"maturedAmt": 0,
"matured": "N",
"amtTag": "PRINCIPAL",
"module": "GE",
"valueDate": "2021-03-17T00:00:00",
"source": "CDDA",
"txnId": "22357040302847001251",
"txnPercent": 0,
"txnStatus": "0",
"blkStat": "A",
"authStat": "A",
"versionNo": 1,
"inputUserId": "OBELCMUSER1",
"inputDtStamp": "2021-03-17T04:03:03",
"authId": "OBELCMUSER1",
"authDtStamp": "2021-03-17T04:03:03",
"liabCcy": "USD",
"liabBranch": "B01",
"liabBlock": 1,
"liabExchRate": 1,
"multiAuth": "N",
"vdUpdate": "N",
"liabNo": "FORD",
"lineCd": "LNFORD",
"lineSerial": 1,
"ignoreOverrides": "N",
"limitType": "F",
"limitId": 21,
"limitCcy": "GBP",
"limitBlock": 0.5,
"limitExchRate": 0.5,
"limitCcyUncoll": 0,
"limitCcyMatured": 0,
"txnInitDate": "2021-03-17T00:00:00",
"eventCode": "INIT",
"eventSlNo": 1,
"shadowLimit": "N",
"forceAuth": "N",
"onceAuthorized": false,
"recordStatus": "0",
"endOfInput": "N",
"autoAuth": "Y",
"offsetHr": 0,
"offsetMin": 0,
```

```
"considerAsRevolving": "N",
"dataMigration": "N",
"isSimulation": "N",
"ismergeOperation": "N",
"revalLimit": "Y",
"keyId": "~GETB BLOCKS LOG~SERIAL NO",
"keyValue": "~GETB BLOCKS LOG~192~",
"liabilityDetails": [
        "version": 24,
        "id": 41,
        "blockAmount": 1622,
        "liabNo": "FORD",
        "liabBranch": "B01",
        "liabCcy": "USD",
        "utilAmt": 3723,
        "overallLimit": 999999999,
        "unadvised": "N",
        "liabilityCustomerLinkage": {
            "maker": "OBELCMUSER1",
            "makerstamp": "2021-03-17T07:09:33",
            "checker": "OBELCMUSER1",
            "checkerstamp": "2021-03-17T07:09:33",
            "modno": 1,
            "txnstat": "0",
            "authstat": "A",
            "onceauth": "Y",
            "version": 1,
            "udfs": [],
            "misdetails": [],
            "id": 22,
            "customerNo": "0029702",
            "liabId": 41,
            "branchCode": "B01",
            "issuer": "N",
            "keyId": "~GETM LIAB CUST~CUSTOMER NO",
            "keyValue": "~GETM LIAB CUST~0029702~",
            "liabCustExposures": [],
            "liabTrackCodes": []
        },
        "processNo": 1,
        "keyId": "~GETM LIAB~LIAB NO~"
],
"facilityDetails": [
        "version": 14,
        "liabilityId": 41,
        "lineCode": "LNFORD",
        "lineSerial": 1,
        "ismergeOperation": "N",
        "id": 21,
        "onceAuthorized": false,
        "maturedUtil": 0,
        "outUtAmount": 1601.5,
        "osucAmount": 1601.5,
```

```
"commited": "N",
"collateralContribution": 0,
"lineCurrency": "GBP",
"revolvingLine": "N",
"lineStartDate": "2021-03-04T00:00:00",
"lastNewUtildate": "2021-03-17T00:00:00",
"availabilityFlag": "Y",
"limitAmount": 1000,
"uncollectedFundsLimit": 0,
"availableAmount": -1402.5,
"dateOfFirstOrder": "2021-03-04T00:00:00",
"dateOfLastOrder": "2021-03-17T00:00:00",
"amountUtilizedToday": 1602,
"amountReinstatedToday": 0,
"uncollectedAmount": 0,
"utilization": 1601.5,
"branch": "001",
"limitAmountBasis": "L",
"unadvised": "N",
"transferAmount": 0,
"displayEffictiveLineAmount": 1000,
"blockAmount": 801,
"nettingAmount": 0,
"tenorRestrictionType": "D",
"customerRestrictionType": "D",
"currencyRestrictionType": "D",
"productRestrictionType": "D",
"branchRestrictionType": "D",
"extSystemRestrictionType": "D",
"shadowLimit": "N",
"dayLightLimit": 0,
"expRestType": "D",
"revolvingAmount": 0,
"facilityType": "L",
"revalRegrd": "N",
"rateAgrmntRegd": "N",
"dayLightOdLimit": 0,
"earMarkingDto": {
   "version": 0,
   "udfs": [],
   "misdetails": [],
    "keyId": "~GETM FACILITY BLOCK~BLOCK NO",
   "keyValue": "~GETM FACILITY BLOCK~null~"
} ,
"liabilityDTO": {
   "version": 0,
    "liabilityCustomerLinkage": {
        "version": 0,
        "udfs": [],
        "misdetails": [],
        "keyId": "~GETM LIAB CUST~CUSTOMER NO",
        "keyValue": "~GETM LIAB CUST~null~",
        "liabCustExposures": [],
        "liabTrackCodes": []
    "keyId": "~GETM LIAB~LIAB NO~"
```

```
],
                    "collateralsDetails": {
                        "version": 0,
                        "onceAuthorized": false
                    },
                    "collateralsPoolDetails": {
                        "liabilityDto": {
                            "version": 0,
                            "liabilityCustomerLinkage": {
                                 "version": 0,
                                 "udfs": [],
                                "misdetails": [],
                                "keyId": "~GETM LIAB CUST~CUSTOMER NO",
                                "keyValue": "~GETM LIAB CUST~null~",
                                "liabCustExposures": [],
                                "liabTrackCodes": []
                            "keyId": "~GETM LIAB~LIAB_NO~"
                        "ismergeOperation": "N",
                        "version": 0
                    },
                    "defaultLiab": "D",
                    "gdaysNeeded": "Y"
            ]
        "FCUBS WARNING RESP": {
            "WARNING": [
                    "WCODE": "GE-00113",
                    "WDESC": "Line 41-LNFORD1 - Amount exceeds line limit.
Limit = 1000 GBP. Block = 801.0 GBP. Overdraft = 1402.5 GBP %Overdraft =
140.25"
                },
                {
                    "WCODE": "ST-SAVE-002",
                    "WDESC": "Record Successfully Saved and Authorized"
            ]
        },
        "FCUBS ERROR RESP": {
            "ERROR": []
        "MSGID": "22357040302847001251"
```

2.2.2 Utilize

This topic describes about the sample request / response for the consumer service **Utilize**.

Request/Response

SERVICE-CONSUMER = "OBCDDA"

SERVICE-CONSUMER-SERVICE="utilize"

Request

```
{
        "userRefno": "ACCSAVB01USD52829163",
        "utilLogs": [
                "action": "INCREASE",
                "amtTag": "PRINCIPAL",
                "blockRefNo": "10556970083326443531 EA C",
                "customerNo": "0029702",
                "defaultLiab": "D",
                "eventCode": "UTIL",
                "eventSlNo": "2",
                "limitType": "F",
                "lineCd": "LNFORD",
                "lineSerial": "1",
                "source": "CDDA",
                "utilAmt": 1,
                "utilCcy": "USD"
            }
        ]
    }
```

Response

```
"lineCode": "LNFORD",
"lineSerial": 1,
"ismergeOperation": "N",
"id": 21,
"onceAuthorized": false,
"maturedUtil": 0,
"outUtAmount": 1603,
"osucAmount": 1603,
"commited": "N",
"nrsAdjAmt": 0,
"collateralContribution": 0,
"lineCurrency": "GBP",
"revolvingLine": "N",
"lineStartDate": "2021-03-04T00:00:00",
"lastNewUtildate": "2021-03-04T00:00:00",
"availabilityFlag": "Y",
"limitAmount": 1000,
"uncollectedFundsLimit": 0,
"availableAmount": -1404,
"dateOfFirstOrder": "2021-03-04T00:00:00",
"dateOfLastOrder": "2021-03-04T00:00:00",
"amountUtilizedToday": 1603,
"amountReinstatedToday": 0,
"uncollectedAmount": 0,
"utilization": 1603,
"branch": "001",
"limitAmountBasis": "L",
"unadvised": "N",
"transferAmount": 0,
"displayEffictiveLineAmount": 1000,
"blockAmount": 801,
"tankedUtilization": 0,
"nettingAmount": 0,
"tenorRestrictionType": "D",
"customerRestrictionType": "D",
"currencyRestrictionType": "D",
"productRestrictionType": "D",
"branchRestrictionType": "D",
"extSystemRestrictionType": "D",
"shadowLimit": "N",
"dayLightLimit": 0,
"expRestType": "D",
"revolvingAmount": 0,
"facilityType": "L",
"revalRegrd": "N",
"rateAgrmntRegd": "N",
"dayLightOdLimit": 0,
"earMarkingDto": {
    "version": 0,
    "udfs": [],
   "misdetails": [],
   "keyId": "~GETM FACILITY BLOCK~BLOCK NO",
   "keyValue": "~GETM FACILITY BLOCK~null~"
"liabilityDTO": {
    "version": 0,
```

```
"version": 0,
                                     "udfs": [],
                                     "misdetails": [],
                                     "keyId": "~GETM LIAB CUST~CUSTOMER NO",
                                     "keyValue": "~GETM LIAB CUST~null~",
                                     "liabCustExposures": [],
                                     "liabTrackCodes": []
                                 "keyId": "~GETM LIAB~LIAB NO~"
                        }
                    ],
                    "collateralsDetails": {
                        "version": 0,
                        "onceAuthorized": false
                    "collateralsPoolDetails": {
                         "liabilityDto": {
                             "version": 0,
                             "liabilityCustomerLinkage": {
                                 "version": 0,
                                 "udfs": [],
                                 "misdetails": [],
                                 "keyId": "~GETM LIAB CUST~CUSTOMER_NO",
                                 "keyValue": "~GETM LIAB CUST~null~",
                                 "liabCustExposures": [],
                                 "liabTrackCodes": []
                             "keyId": "~GETM LIAB~LIAB NO~"
                        "ismergeOperation": "N",
                        "version": 0
                    "tenorDetail": {
                        "version": 0
                    } ,
                    "action": "INCREASE",
                    "customerNo": "0029702",
                    "utilAmt": 1,
                    "utilCcy": "USD",
                    "amtTag": "PRINCIPAL",
                    "source": "CDDA",
                    "lineCd": "LNFORD",
                    "lineSerial": 1,
                    "limitType": "F",
                    "blockRefNo": "10556970083326443531 EA C",
                    "eventCode": "UTIL",
                    "eventSlNo": 2,
                    "ismergeOperation": "N",
                    "onceAuthorized": false,
                    "defaultLiab": "D",
                    "txnPercent": 0,
                    "valueDateUtilizationDto": {
                        "keyId":
"~GETB VD UTILS~FACILITY ID~VALUE DATE~USER REFNO",
```

"liabilityCustomerLinkage": {

```
"keyValue": "~GETB VD UTILS~null~null~null~"
                     }
                }
            1
        },
        "FCUBS WARNING RESP": {
            "WARNING": [
                     "WCODE": "LM-00113",
                     "WDESC": "Line 41-LNFORD1 - Amount exceeds line limit.
Limit = 1000 GBP. Utilization = 1603.0 GBP. Overdraft = 1404.0 GBP %Overdraft
= 140.4"
            ]
        },
        "FCUBS ERROR RESP": {
            "ERROR": [
                     "ECODE": "EL-FCJ-110",
                     "EDESC": "Block reference number does not exist for the
attached limit details"
            ]
        },
        "MSGID": "22357040429106001254"
    }
```

2.2.3 Query Utilization

This topic describes about the sample request / response for the consumer service **Query Utilization**.

Request/Response

SERVICE-CONSUMER = "OBCDDA"

SERVICE-CONSUMER-SERVICE="QueryUtilization"

Request

http://cnobfc-cluster-1-ms1.fsgbu-obcbcs-nonprod--obfc-devtestbank1:7501/FCUBS-ELCMRest/ELUtilizationService/QueryUtilization/urefno/001TRU05

Response

```
{
    "Util-Master-Full": {
        "utilBrn": "001",
        "userRefno": "001TRU05",
        "authStat": "A",
        "versionNo": 1,
        "inputUserId": "ADMINUSER1",
        "inputDtStamp": "2022-02-26T05:17:00",
        "authId": "ADMINUSER1",
```

```
"authDtStamp": "2022-02-26T05:17:00",
        "keyId": "~GCTB UTILS~USER_REFNO",
        "keyValue": "~GCTB UTILS~001TRU05~",
        "action": "NEW",
        "utilLogs": [
            {
                "utilHistory": {
                    "version": 0
                "valueDateUtilization": {
                    "keyId":
"~GETB VD UTILS~FACILITY ID~VALUE DATE~USER REFNO",
                    "keyValue": "~GETB VD UTILS~null~null~null~"
                "collateralsDetails": {
                    "version": 0,
                    "onceAuthorized": false
                "collateralsPoolDetails": {
                    "liabilityDto": {
                         "version": 0,
                        "liabilityCustomerLinkage": {
                             "version": 0,
                             "udfs": [],
                             "misdetails": [],
                             "keyId": "~GETM LIAB CUST~CUSTOMER NO",
                             "keyValue": "~GETM LIAB CUST~null~",
                             "liabCustExposures": [],
                            "liabTrackCodes": []
                        },
                        "keyId": "~GETM LIAB~LIAB NO~"
                    "ismergeOperation": "N",
                    "version": 0
                },
                "tenorDetail": {
                    "version": 0
                } ,
                "action": "NEW",
                "utilId": "0012205700000014",
                "customerNo": "001CUST01",
                "liabId": 82,
                "processNo": 1,
                "transDate": "2022-02-26T00:00:00",
                "utilAmt": 102000,
                "utilCcy": "USD",
                "utilBrn": "001",
                "utilPrd": "COUNTRY",
                "unColl": 0,
                "tenorBasis": "N",
                "tenor": 0,
                "maturedAmt": 0,
                "matured": "N",
                "amtTag": "BALANCE",
                "module": "GE",
                "valueDate": "2022-02-26T00:00:00",
```

```
"source": "ELCM",
                "userRefNo": "001TRU05",
                "utilStat": "A",
                "authStat": "A",
                "versionNo": 1,
                "inputUserId": "ADMINUSER1",
                "inputDtStamp": "2022-02-26T05:17:00",
                "authId": "ADMINUSER1",
                "authDtStamp": "2022-02-26T05:17:00",
                "liabCcy": "USD",
                "liabBranch": "001",
                "liabUtil": 102000,
                "liabExchRate": 1,
                "liabNo": "001AUT01",
                "lineCd": "001TRF02",
                "lineSerial": 1,
                "isAccount": "N",
                "limitType": "F",
                "limitId": 13,
                "limitCcy": "USD",
                "limitUtil": 102000,
                "limitExchRate": 1,
                "limitCcyUncoll": 0,
                "limitCcyMatured": 0,
                "lineCode": "001TRF02",
                "ismergeOperation": "N",
                "userRefno": "001TRU05",
                "onceAuthorized": false,
                "txnPercent": 0,
                "valueDateUtilizationDto": {
                    "keyId":
"~GETB VD UTILS~FACILITY ID~VALUE_DATE~USER_REFNO",
                    "keyValue": "~GETB VD UTILS~null~null~null~"
    },
    "FCUBS WARNING RESP": {
        "WARNING": [
                "WCODE": "ST-SAVE-025",
                "WDESC": "Record Successfully Retrieved"
        ]
    "FCUBS ERROR RESP": {
       "ERROR": []
    "MSGID": "23046054737455002224"
```

2.2.4 Get Valid Lines

This topic describes about the sample request / response for the consumer service **GetValidLines**.

Request/Response

SERVICE-CONSUMER = "ELCM"

SERVICE-CONSUMER-SERVICE="getValidLines"

Request

http://cnobfc-cluster-1-ms1.fsgbu-obcbcs-nonprod--obfc-devtestbank1:7501/FCUBS-ELCMRest/ElValidLimitService/QueryValidLimit/ccustom/0029702/limitType/F/defaultLiab/D

Response

```
{
        "Valid-Limit-Master-Full": {
            "maker": "SYSTEM",
            "makerstamp": "2022-12-13T13:08:37",
            "checker": "SYSTEM",
            "checkerstamp": "2022-12-13T13:08:37",
            "authstat": "A",
            "version": 0,
            "udfs": [],
            "misdetails": [],
            "customerNo": "0029702",
            "limitType": "F",
            "defaultLiab": "D",
            "keyid": "~GETM VALID LIMIT MASTER~LIMIT TYPE~DEFAULT LIAB",
            "keyValue": "~GETM VALID LIMIT_MASTER~F~D~",
            "validFacilityDetailss": [
                    "availableAmount": 680,
                    "blockAmount": 10,
                    "effectiveLineAmount": 1000,
                    "limitAmount": 1000,
                    "limitAmountBasis": "L",
                    "lineCode": "FFG",
                    "lineCurrency": "GBP",
                    "lineSerial": 1,
                    "lineStartDate": "2021-03-17T00:00:00",
                    "revolvingLine": "N",
                    "utilisation": 310,
                    "availabilityFlag": "Y",
                    "userDefineStatus": "ACTIVE",
                    "approvedAmt": 1000,
                    "liabNo": "FORD",
                    "version": 0,
```

```
"keyId": "~GETM VALID FACILITY DETAILS~ID",
    "keyValue": "~GETM VALID FACILITY DETAILS~null~"
},
    "availableAmount": 10000,
    "blockAmount": 0,
    "effectiveLineAmount": 10000,
    "limitAmount": 10000,
    "limitAmountBasis": "L",
    "lineCode": "FORD 02",
    "lineCurrency": "GBP",
    "lineSerial": 1,
    "lineStartDate": "2021-03-06T00:00:00",
    "revolvingLine": "N",
    "utilisation": 0,
    "availabilityFlag": "Y",
    "userDefineStatus": "ACTIVE",
    "approvedAmt": 10000,
    "liabNo": "FORD",
    "version": 0,
    "keyId": "~GETM VALID FACILITY DETAILS~ID",
    "keyValue": "~GETM VALID FACILITY DETAILS~null~"
},
    "availableAmount": 600,
    "blockAmount": 400,
    "effectiveLineAmount": 1000,
    "limitAmount": 1000,
    "limitAmountBasis": "L",
    "lineCode": "LNFORD",
    "lineCurrency": "GBP",
    "lineSerial": 1,
    "lineStartDate": "2021-03-04T00:00:00",
    "revolvingLine": "N",
    "utilisation": 0,
    "availabilityFlag": "Y",
    "userDefineStatus": "ACTIVE",
    "approvedAmt": 1000,
    "liabNo": "FORD",
    "version": 0,
    "keyId": "~GETM VALID FACILITY_DETAILS~ID",
    "keyValue": "~GETM VALID FACILITY DETAILS~null~"
},
    "availableAmount": 10000,
    "blockAmount": 0,
    "effectiveLineAmount": 10000,
    "limitAmount": 10000,
    "limitAmountBasis": "L",
    "lineCode": "FORD 01",
    "lineCurrency": "GBP",
    "lineSerial": 1,
    "lineStartDate": "2021-03-04T00:00:00",
    "revolvingLine": "N",
    "utilisation": 0,
    "availabilityFlag": "Y",
```

```
"userDefineStatus": "ACTIVE",
            "approvedAmt": 10000,
            "liabNo": "FORD",
            "version": 0,
            "keyId": "~GETM VALID FACILITY DETAILS~ID",
            "keyValue": "~GETM VALID FACILITY DETAILS~null~"
        }
    ],
    "validObligationDetailss": [],
    "validPoolDetailss": [],
    "validCollateralDetailss": [],
    "validCovenantDetailss": [],
    "validLiabilityDetailss": [
            "availableAmount": 999998659,
            "liabBranch": "B01",
            "liabCcy": "USD",
            "liabNo": "FORD",
            "lid": 41,
            "overallLimit": 999999999,
            "utilAmt": 520,
            "liabName": "FORD",
            "version": 0,
            "keyId": "~GETM_VALID_LIABILITY_DETAILS~ID",
            "keyValue": "~GETM VALID LIABILITY DETAILS~null~"
    ]
},
"FCUBS WARNING_RESP": {
    "WARNING": [
            "WCODE": "ST-SAVE-025",
            "WDESC": "Record Successfully Retrieved"
    ]
"FCUBS ERROR RESP": {
   "ERROR": []
"MSGID": "22347010836889001221"
```

Configure Account Services

You can maintain the routing configuration of the Oracle Banking Routing Hub in the common core for CASA transitions of the Oracle Banking Retail Lending Cloud Services to create, update, and guery the host system.

The user should construct the host name according to the template below:

obpm-apigateway-router.fsgbu-obcbcs-<environment>—obfc-<account name> Port: 8080

The values for environment and account name are available in the app-shell URL as provisioned: https://<account name>.obcs.ocs.oc-test.com/<environment>/app-shell/.

The environment value mapping from URL to OBRH Integration configuration is as follows:

Table 3-1 Environment Value Mapping

Environment	URL Value	OBRH Configuration Value
Premium Non Production	non-prod	nonprod
Premium Pre-Production	pre-prod	preprod
Premium Production	prod	prod
Partner	partner	partner
Standard Non Production	non-prod-std	nonprod-std
Standard Pre-Production	pre-prod-std	preprod-std
Standard Production	prod-std	prod-std

Refer the examples below:

Account Name: demobank1

Environment Provisioned: Standard - Non Production

OBRH Integration Host Name: obpm-apigateway-router.fsgbu-obcbcs-nonprod-std—obfc-demobank1

Account Name: demobank1

Environment Provisioned: Standard - Production

OBRH Integration Host Name: obpm-apigateway-router.fsgbu-obcbcs-prod-std—obfc-demobank1

Account Name: demopartner Environment Provisioned: Partner

OBRH Integration Host Name: obpm-apigateway-router.fsgbu-obcbcs-partner—obfcdemopartner

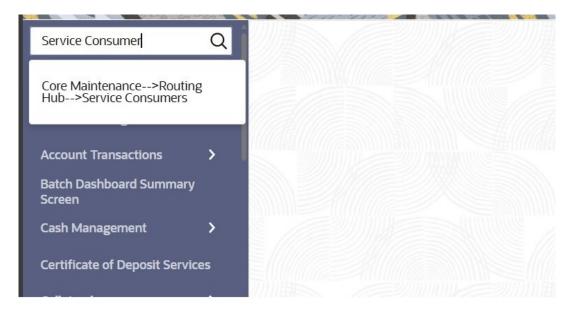


Port will be 8080, that is common for all the environment.

Follow the steps below:

From the menu, under Core Maintenance, search Service Consumers.
 The Service Customers screen is displayed.

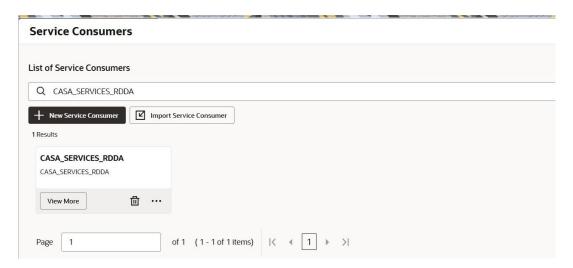
Figure 3-1 Service Consumers - Search



From the List of Service Consumers field, search CASA_SERVICES_RDDA and click View More.

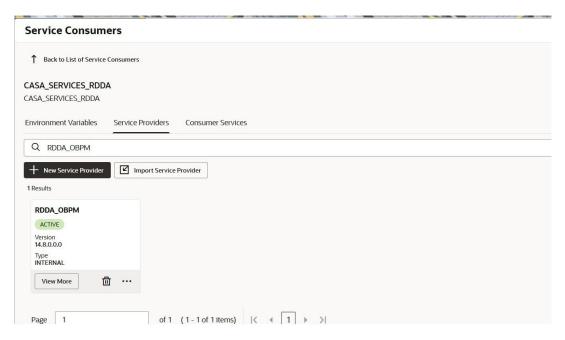
The search result is displayed.

Figure 3-2 Service Consumers



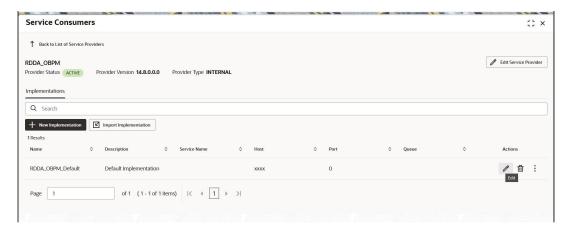
Navigate to the Service Provides tab, search for RDDA_OBPM, and click View More.
 The details are displayed.

Figure 3-3 Service Providers tab



4. From the **Actions** field, click the **Edit** icon.

Figure 3-4 Implementations



5. Add host and port for OBPM service as per the template shared by OBPM team.

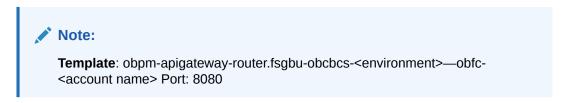
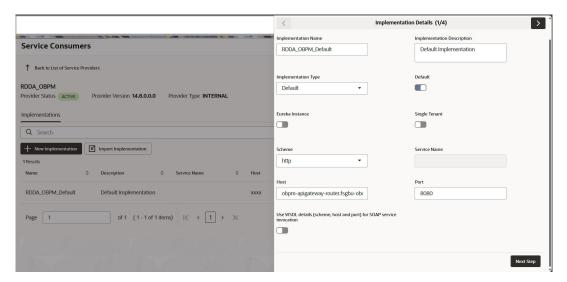
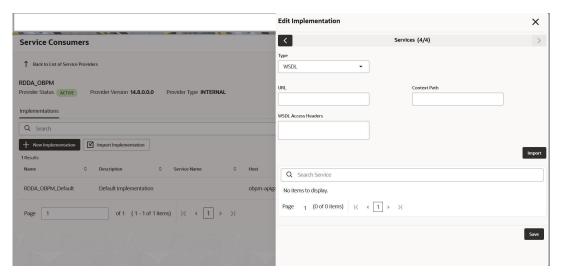


Figure 3-5 Implementation Details



6. Click Next Step, until you see the Save button.

Figure 3-6 Edit Implementation



7. Click Save.

4

Maintenance for Oracle Banking Accounts

You need to perform the maintenance in the Oracle Banking Accounts for a particular source system (OBTLR) to create source code.

This topic contains the following subtopics:

- Create Upload Source
 - You need to perform the upload source maintenance in the Oracle Banking Accounts for the source system (OBTLR).
- Configure Source Code
 - You need to perform the source code configuration in the Oracle Banking Accounts for the source system (OBTLR).
- Create Upload Source Preference
 - You need to maintain the upload source preferences in the Oracle Banking Accounts for the source system (OBTLR).
- Configure Oracle Banking Routing Hub
 - You need to enable the isSingleTenant flag in Oracle Banking Routing Hub to enable Single Tenant services in the cloud environment.
- Integration of Oracle Banking Payments
 This topic provides the information about the Integration of Oracle Banking Payments.

4.1 Create Upload Source

You need to perform the upload source maintenance in the Oracle Banking Accounts for the source system (OBTLR).

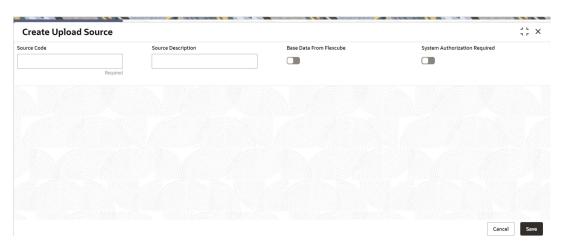
To maintain the upload source code:

Log in to Oracle Banking Accounts Cloud Service **Home** screen. For information on how to log in, refer to the *Getting Started User Guide* in the Oracle Banking Accounts Cloud Service documentation Library.

 On the Home screen, click Core Maintenance. Under Core Maintenance, click Upload Source, and then select Create Upload Source or specify Create Upload Source in the search icon bar and select the screen.

The Create Upload Source screen is displayed.

Figure 4-1 Create Upload Source



 On the Create Upload Source screen, specify the details in the fields as shown in the figure. For information on the fields, refer to the Common Core User Guide in the Oracle Banking Accounts Cloud Service documentation library.

4.2 Configure Source Code

You need to perform the source code configuration in the Oracle Banking Accounts for the source system (OBTLR).

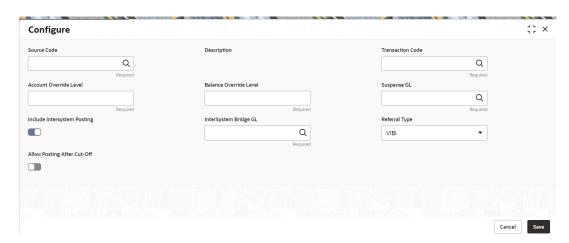
To configure source code:

Log in to Oracle Banking Accounts Cloud Service **Home** screen. For information on how to log in, refer to the *Getting Started User Guide* in the Oracle Banking Accounts Cloud Service documentation Library.

 On the Home screen, click Account Configurations. Under Account Configurations, click Source Code, and then select Configure.

The **Configure** screen is displayed.

Figure 4-2 Configure



 On the Create Upload Source screen, specify the details in the fields as shown in the figure. For information on the fields, refer to the Account Configuration User Guide in the Oracle Banking Accounts Cloud Service documentation library.

4.3 Create Upload Source Preference

You need to maintain the upload source preferences in the Oracle Banking Accounts for the source system (OBTLR).

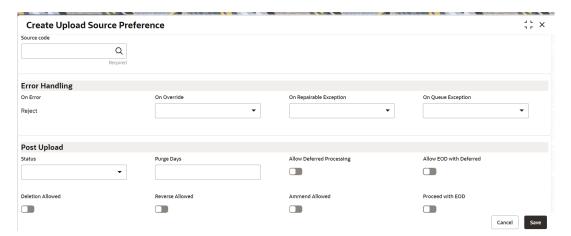
To maintain the upload source preference:

Log in to Oracle Banking Accounts Cloud Service **Home** screen. For information on how to log in, refer to the *Getting Started User Guide* in the Oracle Banking Accounts Cloud Service documentation Library.

 On the Home screen, click Core Maintenance. Under Core Maintenance, click Upload Source Preferences, and then select Create Upload Source Preference or specify Create Upload Source Preference in the search icon bar and select the screen.

The Create Upload Source Preference screen is displayed.

Figure 4-3 Create Upload Source Preference



 On the Create Upload Source screen, specify the details in the fields as shown in the figure. For information on the fields, refer to the Common Core User Guide in the Oracle Banking Accounts Cloud Service documentation library.

4.4 Configure Oracle Banking Routing Hub

You need to enable the isSingleTenant flag in Oracle Banking Routing Hub to enable Single Tenant services in the cloud environment.

To configure Oracle Banking Routing Hub:

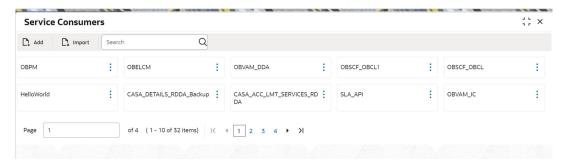
Log in to Oracle Banking Accounts Cloud Service **Home** screen. For information on how to log in, refer to the *Getting Started User Guide* in the Oracle Banking Accounts Cloud Service documentation Library.

 On the Home screen, click Core Maintenance. Under Core Maintenance, click Routing Hub, and then select Service Consumers or specify Service Consumers in the search icon bar and select the screen.

The **Service Consumers** screen is displayed.



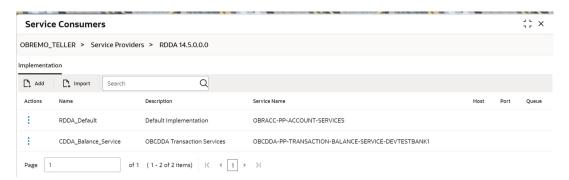
Figure 4-4 Service Consumers



- 2. On the **Service Consumers** screen, search **OBREMO_TELLER** in the search box.
- 3. Click OBREMO_TELLER.
- 4. On the **OBREMO_TELLER** screen, search **RDDA** in the search box.
- 5. Click RDDA.

The Implementation screen is displayed.

Figure 4-5 Service Consumers - RDDA Implementation



6. Select CDDA_Balance_Service and click Edit.

The **Edit Implementation** pop-up screen is displayed.



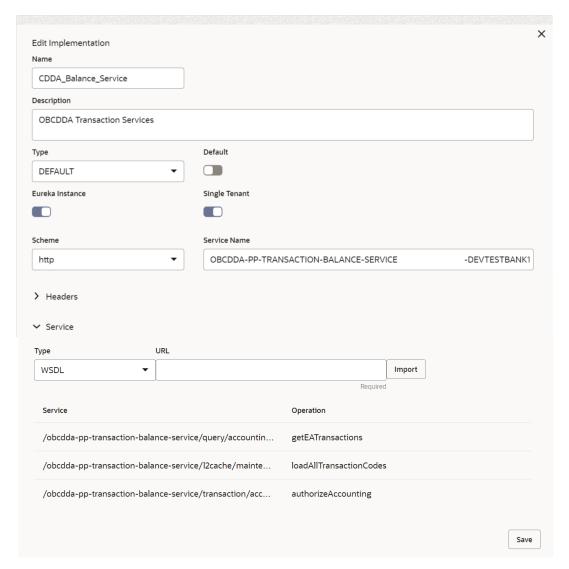


Figure 4-6 Service Consumers - Edit Implementation

7. Enable Single Tenant toggle button and click Save.

4.5 Integration of Oracle Banking Payments

This topic provides the information about the Integration of Oracle Banking Payments.

- Oracle Banking Routing Hub Configuration
 User can manage the routing setup for OBBRN-OBPM transactions in the Oracle Banking Routing Hub to handle integrated payment transactions.
- Maintenance for Oracle Banking Payments
 The following maintenances are needed to integrate Oracle Banking Branch with Oracle Banking Payments.



4.5.1 Oracle Banking Routing Hub Configuration

User can manage the routing setup for **OBBRN-OBPM** transactions in the **Oracle Banking Routing Hub** to handle integrated payment transactions.

The user should construct the host name according to the template below:

Host Name: obpm-apigateway-router.fsgbu-obcbcs-<environment>—obfc-<account name>

Port: 8080

The app-shell URL provides the values for the environment and account name as set up.

https://<account name>.obcs.ocs.oc-test.com/<environment>/app-shell/.

The environment value mapping from URL to OBRH Integration configuration is as follows:

Table 4-1 Environment Value Mapping

Environment	URL Value	OBRH Configuration Value
Premium Non Production	non-prod	nonprod
Premium Pre-Production	pre-prod	preprod
Premium Production	prod	prod
Partner	partner	partner
Standard Non Production	non-prod-std	nonprod-std
Standard Pre-Production	pre-prod-std	preprod-std
Standard Production	prod-std	prod-std

Refer the examples below:

1. Account Name: demobank1

Environment Provisioned: Standard - Non Production

OBRH Integration Host Name: obpm-apigateway-router.fsgbu-obcbcs-nonprod-std—obfc-demobank1

obic acmobanki

Account Name: demobank1

Environment Provisioned: Standard - Production

OBRH Integration Host Name: obpm-apigateway-router.fsgbu-obcbcs-prod-std—obfc-

demobank1

Account Name: demopartner

Environment Provisioned: Partner

OBRH Integration Host Name: obpm-apigateway-router.fsgbu-obcbcs-partner—obfc-

demopartner

Note:

Port will be 8080, that is common for all the environment.

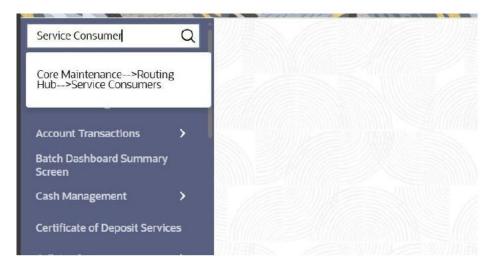
Follow the steps below:

From the Menu screen, under Core Maintenance, search Service Consumers.

The **Service Consumers** screen is displayed.



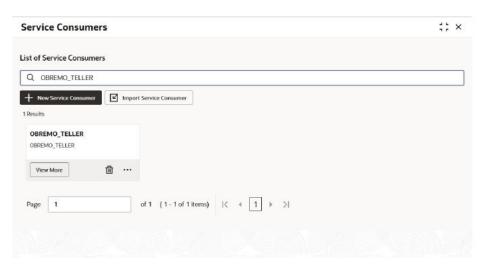
Figure 4-7 Service Consumers - Search



From the List of Service Consumers field, search OBREMO_TELLER and click View More.

The search result is displayed.

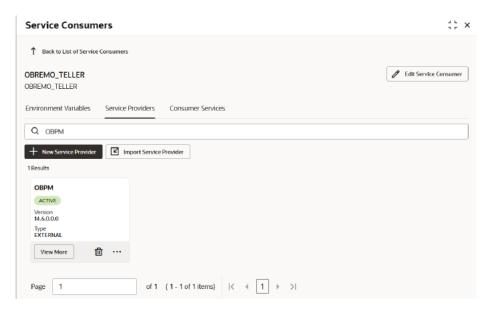
Figure 4-8 Service Consumers



Navigate to the Service Provides tab, search for OBPM, and click View More.
 The details are displayed.



Figure 4-9 Service Providers tab



4. From the **Actions** field, click the **Edit** icon.

Figure 4-10 Implementations



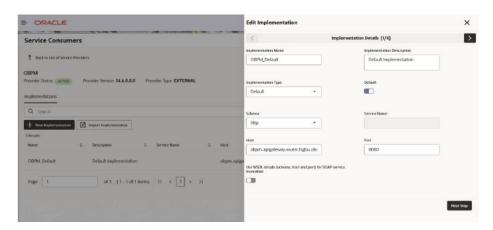
5. Include the host and port for the OBPM service as per the template shared below and update the formed host and port in the respective fields.

Note:

Template: obpm-apigateway-router.fsgbu-obcbcs-<environment>—obfc-<account name> Port: 8080



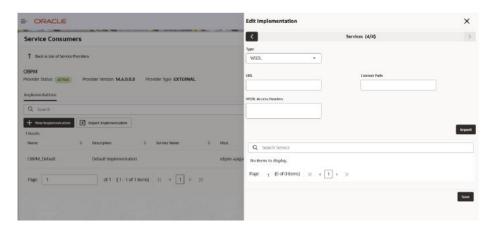
Figure 4-11 Implementation Details



6. Click **Next Step**, until you see the **Save** button.

The Edit Implementation is displayed.

Figure 4-12 Edit Implementation



Click Save.

4.5.2 Maintenance for Oracle Banking Payments

The following maintenances are needed to integrate Oracle Banking Branch with Oracle Banking Payments.

This topic contains the following subtopics:

- Maintain Source Details and Source Network Preferences
 Users must maintain the source information and network preferences to connect Oracle
 Banking Branch with Oracle Banking Payments.
- Maintain External Notification and Queue Connection Profile
 Users must maintain the details of the external notification queue and the queue
 connection profile for callback setup in Oracle Banking Payments.



4.5.2.1 Maintain Source Details and Source Network Preferences

Users must maintain the source information and network preferences to connect Oracle Banking Branch with Oracle Banking Payments.

The prerequisites are as follows:

- 1. Open the login page of Oracle Banking Payments.
- 2. Specify **Username** and **Password**, and log in to Oracle Banking Payments Homepage.

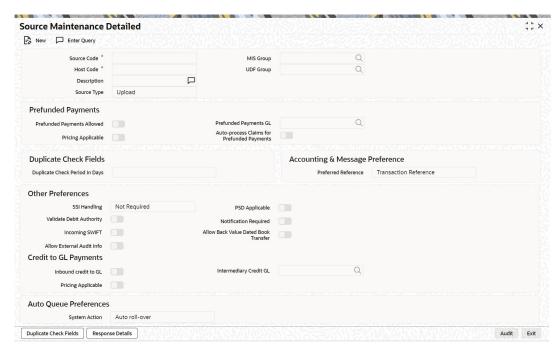
Maintain source details and source network preferences as follows:

- On the Homepage, specify PMDSORCE in the text box, and click the next arrow.
 The Source Maintenance Detailed screen is displayed.
- On the Source Maintenance Detailed screen, specify the details.



For information on the fields, refer to the *Payments Core User Guide* in the Oracle Banking Payments Documentation Library.

Figure 4-13 Source Maintenance Detailed



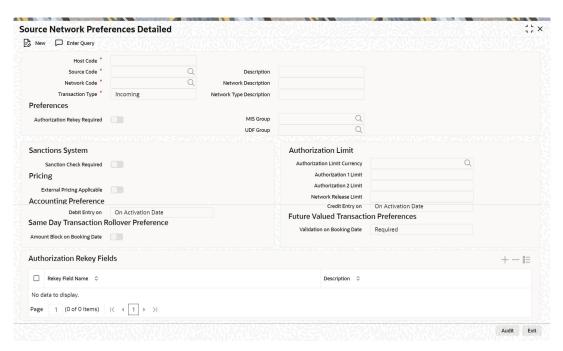
- On the Homepage, specify PMDSORNW in the text box, and click the next arrow.The Source Network Preferences Detailed screen is displayed.
- 4. On the Source Network Preferences Detailed screen, specify the details.





For information on the fields, refer to the *Payments Core User Guide* in the Oracle Banking Payments Documentation Library.

Figure 4-14 Source Network Preferences Detailed



4.5.2.2 Maintain External Notification and Queue Connection Profile

Users must maintain the details of the external notification queue and the queue connection profile for callback setup in Oracle Banking Payments.

The prerequisites are as follows:

- Open the login page of Oracle Banking Payments.
- 2. Specify Username and Password, and log in to Oracle Banking Payments Homepage.

Once the Oracle Banking Branch transfers the transactions to Oracle Banking Payments for processing, Oracle Banking Payments will send a notification back to the Oracle Banking Branch according to the configurations listed below.

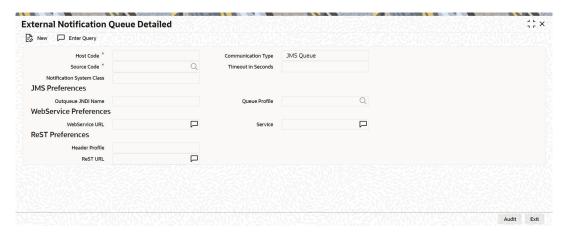
To maintain external notification and queue connection profile:

- On the Homepage, specify PMDEXTNT in the text box, and click the next arrow.
 The External Notification Queue Detailed screen is displayed.
- 2. On the External Notification Queue Detailed screen, specify the details.



For information on the fields, refer to the *Payments Core User Guide* in the Oracle Banking Payments Documentation Library.

Figure 4-15 External Notification Queue Detailed

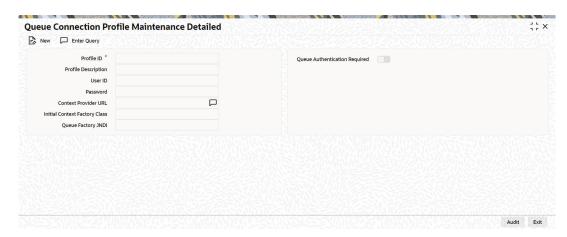


- On the Homepage, specify PMDQPROF in the text box, and click the next arrow.The Queue Connection Profile Maintenance Detailed screen is displayed.
- 4. On the Queue Connection Profile Maintenance Detailed screen, specify the details.



For information on the fields, refer to the *Payments Core User Guide* in the Oracle Banking Payments Documentation Library.

Figure 4-16 Queue Connection Profile Maintenance Detailed





The **Profile ID** shown in the figure should be maintained as the Oracle Banking Branch User ID for that branch.

The **Profile ID** will be included as the **User ID** in the request header for the callback from Oracle Banking Payments to Oracle Banking Branch.

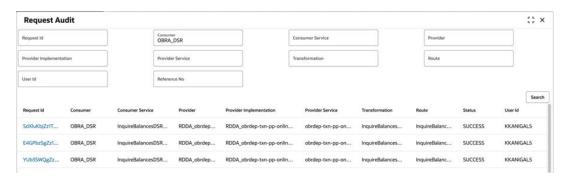
Known Issues and Resolutions

This topic provides the troubleshooting for the deployment failure in the services.

For requests identenfied as timeout:

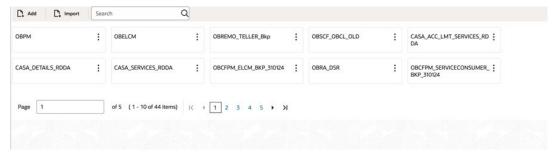
1. Search the corresponding consumer from the **Request Audit** menu.

Figure 5-1 Request Audit



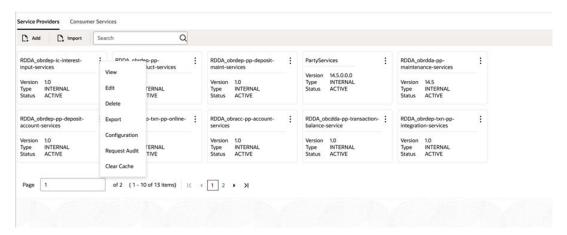
2. From the Service Consumers menu, search OBRA_DSR, and select the option.

Figure 5-2 Search Request



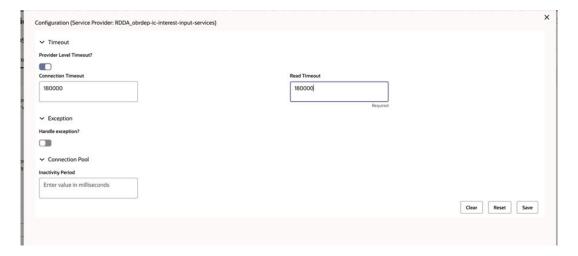
3. In the Service Providers tab, click the Actions icon, and select Configuration.

Figure 5-3 Service Providers tab



- 4. Switch on the **Provider Level Timeout** toggle button.
- 5. In the Connection Timeout and Read Timeout fields, specify the value as 180000.

Figure 5-4 Configure



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